

<210> 2
<211> 29
<212> DNA
<213> Corynebacterium diphtheriae

<400> 2
ggcgctgcag ggcgctgatg atgttggtg 29

<210> 3
<211> 36
<212> DNA
<213> Corynebacterium diphtheriae

<400> 3
ggcgaagctt ggatccgaca cgatttcctg cacagg 36

<210> 4
<211> 68
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 4
aattctctag atgcttcacc cgggcctgac tcgagtacta actggtacct cttctttttt 60
ttcctgca 68

<210> 5
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 5
ggaaaaaaaa gaagaggtac cagttagtag tcgagtcagg cccgggtgaa gcatctagag 60

<210> 6
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 6
tcgagcaacg ttataataat gttc 24

<210> 7
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide primer

<400> 7
 tcgagaacat tattataacg ttgc 24

<210> 8
 <211> 35
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide primer

<400> 8
 aattctctag atcaggcccg ggtgaagcac tcgag 35

<210> 9
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide primer

<400> 9
 tgcttcaccc ggcctgatc tagag 25

<210> 10
 <211> 18
 <212> DNA
 <213> Homo sapien

<400> 10
 tgcttcaccc ggcctga 18

<210> 11
 <211> 16
 <212> DNA
 <213> Homo sapien

<400> 11
 ctcttctttt ttttcc 16

<210> 12
<211> 18
<212> DNA
<213> Homo sapien

<400> 12
caacggttata ataatggt

18

<210> 13
<211> 16
<212> DNA
<213> Homo sapien

<400> 13
ctgtgattaa tagcgg

16

<210> 14
<211> 16
<212> DNA
<213> Homo sapien

<400> 14
cctggacgcg gaagtt

16

<210> 15
<211> 51
<212> DNA
<213> Homo sapien

<400> 15
ctgggacaag gacactgctt caccgggtta gtagaccaca gccctgaagc c

51

<210> 16
<211> 17
<212> DNA
<213> Homo sapien

<400> 16
cttctgtttt ttttctc

17

<210> 17
<211> 16
<212> DNA
<213> Homo sapien

<400> 17
cttctgtatt attctc

16

<210> 18
<211> 16

```
<212> DNA
<213> Homo sapien
```

<400> 18
gttctgtcct tgtctc

```
<210> 19
<211> 29
<212> DNA
<213> Corynebacterium diphtheriae
```

```
<400> 19
ggcgctgcag ggcgctgatg atgttgttg
```

```
<210> 20
<211> 36
<212> DNA
<213> Corynebacterium diphtheriae
```

```
<400> 20
ggcgaagctt ggatccgaca cgatttcctg cacagg
```

```
<210> 21
<211> 21
<212> DNA
<213> Corynebacterium diphtheriae
```

```
<400> 21
catcgtcata atttccttgt g
```

```
<210> 22
<211> 20
<212> DNA
<213> Corynebacterium diphtheriae
```

<400>_22
atggaatcta cataaccagg

```
<210> 23
<211> 20
<212> DNA
<213> Corynebacterium diphtheriae
```

```
<400> 23
gaaggctgag cactacacgc
```

```
<210> 24
<211> 20
<212> DNA
<213> Homo sapien
```

<400> 24
cggcaccgtg gccgaagtgg 20

<210> 25
<211> 30
<212> DNA
<213> Homo sapien

<400> 25
accggaattc atgaagccag gtacaccagg 30

<210> 26
<211> 20
<212> DNA
<213> Homo sapien

<400> 26
gggcaagggtg aacgtggatg 20

<210> 27
<211> 19
<212> DNA
<213> Homo sapien

<400> 27
atcaggagtg gacagatcc 19

<210> 28
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 28
gcatgaattc ggtacatgg gggggttctc atcatcatc 39

<210> 29
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 29
ctgaggatcc tcttacctgt aaacgcccat actgac 36

<210> 30
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 30
gcatggtaac cctgcagggc ggcttcgtct gggactgg

38

<210> 31
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 31
ctgaaagctt gttaacttat tatttttgac accagacc

38

<210> 32
<211> 47
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 32
gcatggtaac cctgcagggc ggcttcgtct aataatggga ctgggtg

47

<210> 33
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 33
gcatggatcc tccggagggc ccctgggcac cttccac

37

<210> 34
<211> 38
<212> DNA
<213> Artificial Sequence

<220>


```
<211> 20
<212> DNA
<213> Artificial Sequence
```

<220>
<223> Oligonucleotide primer

```
<400> 39
cggcaccgtg gccgaagtgg                20
```

```
<210> 40
<211> 45
<212> DNA
<213> Homo sapien
```

```
<400> 40
acctgggccc acccattatt aggtcattat ccgcggaaca ttata 45
```

```
<210> 41
<211> 35
<212> DNA
<213> Homo sapien
```

```
<400> 41
acctctgcag gtgaccctgc aggaaaaaaaa agaag 35
```

```
<210> 42
<211> 30
<212> DNA
<213> Homo sapien
```

```
<400> 42
acctctgcag acttcacttc taatgatgat                                     30
```

```
<210> 43
<211> 51
<212> DNA
<213> Homo sapien
```

<400> 43
acctgcggcc gcctaatagat gatgatgatg atgctcttct agttggcatg c 51

```
<210> 44
<211> 32
<212> DNA
<213> Homo sapien
```

```
<400> 44
gacctctcga gggatttggg gaattatttg ag 32
```

<210> 45
<211> 35
<212> DNA
<213> Homo sapien

<400> 45
ctgacctgcg gccgctacag tggttgaatgt ggtgc

35

<210> 46
<211> 35
<212> DNA
<213> Homo sapien

<400> 46
ctgacctgcg gccgccaac tatctgaatc atgtg

35

<210> 47
<211> 32
<212> DNA
<213> Homo sapien

<400> 47
gacctcttaa gtagactaac cgattgaata tg

32

<210> 48
<211> 21
<212> DNA
<213> Homo sapien

<400> 48
ctaatgatga tgatgatgat g

21

<210> 49
<211> 21
<212> DNA
<213> Homo sapien

<400> 49
cgcctaata ga tgatgatgat g

21

<210> 50
<211> 21
<212> DNA
<213> Homo sapien

<400> 50
cttcttggtgta ctctgtcct g

21

<210> 51
<211> 32

<212> DNA
<213> Homo sapien

<400> 51
gacctctcga gggatttggg gaattatttg ag 32

<210> 52
<211> 21
<212> DNA
<213> Homo sapien

<400> 52
aactagaagg cacagtcgag g 21

<210> 53
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Trans-spliced product containing humanchorionic
gonadotropin gene 6 sequences and Corynebacterium
diphtheriae toxin A sequence

<400> 53
gagatgttcc agggcgtgat gatg 24

<210> 54
<211> 127
<212> RNA
<213> Artificial Sequence

<220>
<223> PTM intramolecular base paired stem

<221> unsure
<222> (57)...(70)
<223> A, C, G or U

<221> misc_feature
<222> (57)...(70)
<223> Loop comprising a combination of 14 nucleotides

<400> 54
gcuagccugg gacaaggaca cugcuucacc cgguaguag accacagccc ugagccnnnn 60
nnnnnnnnnn aucguuaacu aauaaacuac uaacugggug aacuucuguu uuuuucucga 120
gcugcag 127

<210> 55
<211> 127

<212> RNA
<213> Artificial Sequence

<220>
<223> PTM intramolecular base paired stem

<221> unsure
<222> (57)...(70)
<223> A, C, G or U

<221> misc_feature
<222> (57)...(70)
<223> Loop comprising a combination of 14 nucleotides

<400> 55
gcuagccugg gacaaggaca cugcuucacc cgguuaguag accacagccc ugagccnnnn 60
nnnnnnnnnn aucguuaacu aaauaacuac uaacugggug aacuucugua uuauucucga 120
gcugcag 127

<210> 56
<211> 127
<212> RNA
<213> Artificial Sequence

<220>
<223> PTM intramolecular base paired stem

<221> unsure
<222> (57)...(70)
<223> A, C, G or U

<221> misc_feature
<222> (57)...(70)
<223> Loop comprising a combination of 14 nucleotides

<400> 56
gcuagccugg gacaaggaca cugcuucacc cgguuaguag accacagccc ugagccnnnn 60
nnnnnnnnnn aucguuaacu aaauaacuac uaacugggug aaguucuguc cuugucucga 120
gcugcag 127

<210> 57
<211> 132
<212> DNA
<213> Artificial Sequence

<220>
<223> Trans-spliced product containing human chorionic gonadotropin gene 6 sequences and Corynebacterium diphtheriae diphtheria toxin A sequences

<400> 57

caggggacgc accaaggatg gagatgttcc agggcgctga tgatgttggtt gattcttctt 60
aaatcttttg tgatggaaaa cttttcttcg taccacggga ctaaacctgg ttatgtagat 120
tccattcaaa aa 132

<210> 58

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence derived from Escherichia coli
lacZ gene

<400> 58

gaattcggta ccatgggg 18

<210> 59

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence derived from Escherichia coli
lacZ gene

<400> 59

cgtttacagg taagaggatc ctccggaggg ccc 33

<210> 60

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence derived from Escherichia coli
lacZ gene

<400> 60

tggtgtcaaa aataataagt taacaagctt 30.

<210> 61

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Trans-spliced product containing Escherichia coli
lacZ gene sequences and human chorionic
gonadotropin gene 6 exon 2 sequences

<400> 61
cagcagcccc tgtaaacggg gatac

25

<210> 62
<211> 286
<212> DNA
<213> Artificial Sequence

<220>
<223> Trans-spliced product containing Escherichia coli
lacZ gene sequences

<400> 62
ggctttcgct acctggagag acgcgcccgc tgatcctttg cgaatacgcc cacgcgatgg 60
gtaacagtct tggcggtttc gctaaatact ggcaggcggt tcgtcagtat ccccgtttac 120
agggcggcctt cgtctaataa tgggactggg tggatcagtc gctgattaaa tatgatgaaa 180
acgggcaacc cgtggtcggc ttacggcggg gattttggcg atacgccgaa cgatcgccag 240
ttctgtatga acggtctggt ctttgccgac cgcacgccgc atccag 286

<210> 63
<211> 196
<212> DNA
<213> Artificial Sequence

<220>
<223> Trans-spliced product containing Escherichia coli
lacZ gene sequences

<400> 63
ggctttcgct acctggagag acgcgcccgc tgatcctttg cgaatacgcc cacgcgatgg 60
gtaacagtct tggcggtttc gctaaatact ggcaggcggt tcgtcagtat ccccgtttac 120
aggggctgct gctgttgctg ctgctgagca tgggcgggac atgggcatcc aaggagccac 180
ttcgccacg gtgccg 196

<210> 64
<211> 420
<212> DNA
<213> Artificial Sequence

<220>
<223> Trans-spliced product containing cystic fibrosis
transmembrane regulator-derived sequences and
His-tag sequence

<400> 64
gctagcgttt aaacggggccg acccatcatt attaggtcat tatccgcgga acattattat 60
aacgttgctc gactactaac tggaacctct tctttttttt cctgcagact tcacttctaa 120
tgatgattat gggagaactg gagccttcag agggtaaaat taagcacagt ggaagaattt 180
cattctgttc tcagttttcc tggattatgc ctggcaccat taaagaaaat atcatctttg 240

gcggccgcca ctgtgctgga tatctgcaga attccaccac actggactag tggatccgag 300
 ctcggtacca aggttaagtt taaaccgctg atcagcctcg actgtgcctt ctagtgtcca 360
 gccatctggt gtttgcccct cccccgtgcc ttcccttgacc ctggaagggtg ccactcccac 420

<210> 65
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Splice junction sequence

<400> 65
 atgttccagg gcgtgatgat 20

<210> 66
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C terminal residus from glutathione-S- tranferase

<400> 66
 Asp Tyr Lys Asp Asp Asp Lys
 1 5

<210> 67
 <211> 15
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Artificial sequence comprising sequences derived
 from Esherichia coli lacZ gene sequences

<400> 67
 ggagttgatc ccgtc 15

<210> 68
 <211> 37
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Artificial sequence comprising sequences derived
 from Esherichia coli lacZ gene sequences

<400> 68
gcagtgtcct tgtgcgggta ccctgcaggg cggcttc

37

<210> 69
<211> 120
<212> DNA
<213> Artificial Sequence

<220>
<223> Binding domain of PTM

<400> 69
gattcacttg ctccaattat catcctaagc agaagtgtat attcttattt gttaaagattc 60
tattaactca tttgattcaa aatattttaa atacttcctg tttcatactc tgctatgcac 120

<210> 70
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Spacer sequence of PTM

<400> 70
aacattatta taacgttgct cgaa

24

<210> 71
<211> 47
<212> DNA
<213> Artificial Sequence

<220>
<223> Branch point, pyrimidine tract and acceptor splice
site of PTM

<400> 71
tactaactgg tacctcttct tttttttttg atatcctgca gggcggc

47

<210> 72
<211> 70
<212> DNA
<213> Artificial Sequence

<220>
<223> Donor site and spacer sequence of PTM

<400> 72
tgaacggtaa gtgttatcac cgatatgtgt ctaacctgat tcgggccttc gatacgctaa 60
gatccaccgg 70

<210> 73
<211> 260
<212> DNA
<213> Artificial Sequence

<220>
<223> Binding domain of spacer sequence

<400> 73
tcaaaaagtt ttcacataat ttcttacctc ttcttgaatt catgctttga tgacgcttct 60
gtatctatat tcatcattgg aaacaccaat gatttttctt taatggtgcc tggcataatc 120
ctggaaaact gataacacaa tgaaattctt ccaactgtgct taaaaaaacc ctcttgaatt 180
ctccatttct ccataatca tcattacaac tgaactctgg aaataaaacc catcattatt 240
aactcattat caaatcacgc 260

<210> 74
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 74
cgctggaaaa acgagcttgt tg 22

<210> 75
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide

<400> 75
actcagtgtg attccacctt ctc 23

<210> 76
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide

<400> 76
gacctctgca gacttcactt ctaatgatga ttatgg 36

<210> 77

<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 77
ctaggatccc gttcttttgt tcttcactat taa

33

<210> 78
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 78
ctagggttac cgaagtaaaa ccatacttat tag

33

<210> 79
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 79
gcatgggttac cctgcagggg ctgctgctgt tgctg

35

<210> 80
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 80
ctgaaagctt gttaaccagc tcaccatggt ggggcag

37

<210> 81
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Binding domain of PTM molecule

<400> 81
accatcatt attaggtcat tat 23

<210> 82
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 82
gatcaaattct gtcgatacctt cc 22

<210> 83
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 83
ctgatccacc cagtcccatt a 21

<210> 84
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 84
gactgatcca cccagtccca ga 22

<210> 85
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Random sequence inserted to replace the 3' splice
site.

<221> misc_feature
<222> (7)...(30)
<223> Spacer sequence, see SEQ ID NO: 70

<221> unsure

<222> (7)...(30)

<223> A, C, G or T

<400> 85

ccgcggnnnn nnnnnnnnnn nnnnnnnnnn gggttccggt accggcggct tc 52

<210> 86

<211> 71

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide

<400> 86

ttttatcccc gtttacaggg cggcttcgctc tgggactggg tggatcagtc gctgattaaa 60
tatgatgaaa a 71

<210> 87

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide

<400> 87

tttggcgata cgccgaacga tcgccagttc tgtatgaacg gtctggtctt tgccgaccgc 60
acgccg 66

<210> 88

<211> 192

<212> DNA

<213> Artificial Sequence

<220>

<223> PTM sequence

<400> 88

acgagcttgc tcatgatgat catgggcgag ttagaaccaa gtgaaggcaa gatcaaakat 60
tccggccgca tcagcttttg cagccaattc agttggatca tgcccggtac catcaaggag 120
aacataatct tcggcgctcag ttacgacgag taccgctatc gctcggtgat taaggcctgt 180
cagttggagg ag 192

<210> 89

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide

<400> 89

gagcaggcaa gacgagcttg ctcat

25

<210> 90

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide

<400> 90

gagaacataa tcttcggcgt cagttacg

28

<210> 91

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide

<400> 91

gtcagttgga ggaggacatc tccaagtttg

30

<210> 92

<211> 192

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide

<400> 92

acgagcttgc tcatgatgat catgggagag ttagaaccaa gtgaaggcaa gatcaaacaat 60
tccggccgca tcagcttttg cagccaattc agttggatca tgcccgggtac catcaaggag 120
aacataatct tcggcgctcag ttacgacgag taccgctatc gctcgggtgat taaggcctgt 180
cagttggagg ag 192

<210> 93

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> PTM sequences

<400> 93
aaatatcatt ggtgtttctt atgatga

27

<210> 94
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide

<400> 94
ccaactagaa gaggacatct ccaagtttgc

30

<210> 95
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide

<400> 95
atgatcatgg gcgagttaga accaagtgg

30

<210> 96
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide

<400> 96
aaaatatcat ctttggtggt tcctatg

27

<210> 97
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide

<400> 97
ccaactagaa gaggacatct ccaagtt

27

<210> 98
<211> 21
<212> DNA

<213> Artificial Sequence

<220>

<223> 5' splice site

<400> 98

cgtttacagg taagtggatc c

21

<210> 99

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> 3' splice site

<400> 99

ctgcaggcg gcttcgtcta ataatgg

27

<210> 100

<211> 65

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence from trans-splicing domain

<221> unsure

<222> (7)...(18)

<223> A, C, G or T

<400> 100

gctagcnnnc cgcggnnta ctaactggta cctcttcttt tttttttgat atcctgcagg 60
gcggc 65

<210> 101

<211> 1584

<212> DNA

<213> Artificial Sequence

<220>

<223> CFTR PTM

<400> 101

atgcagaggt cgcctctgga aaaggccagc gttgtctcca aacttttttt cagctggacc 60
agaccaattt tgaggaaagg atacagacag cgcctggaat tgtcagacat ataccaaatc 120
ccttctgttg attctgctga caatctatct gaaaaattgg aaagagaatg ggatagagag 180
ctggcttcaa agaaaaatcc taaactcatt aatgcccttc ggcgatgttt tttctggaga 240
tttatgttct atggaatctt tttatatatta ggggaagtca ccaaagcagt acagcctctc 300
ttactgggaa gaatcatagc ttcctatgac ccggataaca aggaggaacg ctctatcgcg 360

atttatctag	gcataggctt	atgccttctc	tttattgtga	ggacactgct	cctacaccca	420
gccatttttg	gccttcatca	cattggaatg	cagatgagaa	tagctatggt	tagtttgatt	480
tataagaaga	ctttaaagct	gtcaagccgt	gttctagata	aaataagtat	tggacaactt	540
gttagtctcc	tttccaacaa	cctgaacaaa	tttgatgaag	gacttgcatt	ggcacatttc	600
gtgtggatcg	ctcctttgca	agtggcactc	ctcatggggc	taatctggga	gttggttacag	660
gcgtctgcct	tctgtggact	tggtttcttg	atagtccttg	ccctttttca	ggctgggcta	720
gggagaatga	tgatgaagta	cagagatcag	agagctggga	agatcagtga	aagacttggt	780
attacctcag	aaatgatcga	gaacatccaa	tctgttaagg	catactgctg	ggaagaagca	840
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tatgtgagat	acttcaatag	ctcagccttc	ttcttctcag	ggttctttgt	ggtgttttta	960
tctgtgcttc	cctatgcact	aatcaaagga	atcatcctcc	ggaaaatatt	caccaccatc	1020
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aagatcaaac	attccggccg	catcagcttt	tgcagccaat	tcagttggat	catgcccggt	1500
accatcaagg	agaacataat	cttcggcgctc	agttacgacg	agtaccgcta	tcgctcggtg	1560
attaaggcct	gtcagttgga	ggag				1584

<210> 102

<211> 323

<212> DNA

<213> Artificial Sequence

<220>

<223> Trans-splicing domain of CFTR PTM

<400> 102

gtaagatatc	accgatatgt	gtctaacctg	attcgggcct	tcgatacgct	aagatccacc	60
ggtcaaaaag	ttttcacata	atttcttacc	tcttcttgaa	ttcatgcttt	gatgacgctt	120
ctgtatctat	attcatcatt	ggaaacacca	atgatatatt	ctttaatggt	gcctggcata	180
atcctggaaa	actgataaca	caatgaaatt	cttccactgt	gcttaatttt	accctctgaa	240
ttctccattt	ctcccataat	catcattaca	actgaactct	ggaaataaaa	cccatcatta	300
ttaactcatt	atcaaatcac	gct				323

<210> 103

<211> 165

<212> DNA

<213> Artificial Sequence

<220>

<223> PTM binding domain

<400> 103

gctagcaata	atgacgaagc	cgcccctcac	gctcaggatt	cacttgcctc	caattatcat	60
cctaagcaga	agtgtatatt	cttattttgta	aagattctat	taactcattt	gattcaaaaat	120
atttaaaaata	cttcctgttt	cacctactct	gctatgcacc	cgcgg		165

<210> 104
<211> 225
<212> DNA
<213> Artificial Sequence

<220>
<223> Trans-splicing domain of PTM

<400> 104
aataatgacg aagccgcccc tcacgctcag gattcacttg ccctccaatt atcatcctaa 60
gcagaagtgt atattcttat ttgtaaagat tctattaact catttgattc aaaatatatta 120
aaatacttcc tgtttcacct actctgctat gcacccgcgg aacattatta taacgttgct 180
cgaatactaa ctggtacctc ttcttttttt tttgatatcc tgcag 225

<210> 105
<211> 3069
<212> DNA
<213> Artificial Sequence

<220>
<223> CFTR PTM sequence

<400> 105
acttcacttc taatgatgat tatgggagaa ctggagcctt cagagggtaa aattaagcac 60
agtggaagaa tttcattctg ttctcagttt tcttgatta tgcctggcac cattaaagaa 120
aatatcatct ttggtgtttc ctatgatgaa tatagataca gaagcgtcat caaagcatgc 180
caactagaag aggacatctc caagtttgca gagaaagaca atatagtctt tggagaaggt 240
ggaatcacac tgagtggagg tcaacgagca agaatttctt tagcaagagc agtatacaaa 300
gatgctgatt tgtattttatt agactctcct tttggatacc tagatgtttt aacagaaaaa 360
gaaatatttg aaagctgtgt ctgtaaactg atggctaaca aaactaggat tttggtcact 420
tctaaaatgg aacattttaa gaaagctgac aaaatattaa ttttgcata aggtagcagc 480
tattttttatg ggacattttc agaactccaa aatctacagc cagactttag ctcaaaactc 540
atgggatgtg attcttttca ccaatttagt gcagaaagaa gaaattcaat cctaactgag 600
accttacacc gtttctcatt agaaggagat gctcctgtct cctggacaga aacaaaaaaa 660
caatctttta aacagactgg agagtttggg gaaaaaagga agaattctat tctcaatcca 720
atcaactcta tacgaaaatt ttccattgtg caaaagactc cttacaaat gaatggcatc 780
gaagaggatt ctgatgagcc tttagagaga aggtgtcct tagtaccaga ttctgagcag 840
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aacacgttga aagcaggtgg gattcttaat agattctcca aagatatagc aatttttggat 1560

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cttcgtgcct	tcggacggca	gccttacttt	gaaactctgt	tccacaaagc	tctgaattta	1860
catactgcc	actggttctt	gtacctgtca	acactgcgct	ggttccaaat	gagaatagaa	1920
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gacaggggtga	agctctttcc	ccaccggaac	tcaagcaagt	gcaagtctaa	gccccagatt	3000
gctgctctga	aagaggagac	agaagaagag	gtgcaagata	caaggcttca	tcatcatcat	3060
catcattag						3069

<210> 106

<211> 131

<212> DNA

<213> Artificial Sequence

<220>

<223> Binding domain of mouse factor VIII PTM

<400> 106

ctcgagctta	cctgaactaa	tttttttagaa	tattaaaatc	ctaagctttt	atatctctat	60
ccctctatct	tttgctctct	atccaatttt	tattaactta	gactttaaaa	agaaacttat	120
gagaaaaatt	t					131

<210> 107

<211> 71

<212> DNA

<213> Artificial Sequence

<220>

<223> Spacer sequence of PTM

<400> 107

ccgcggaaca	ttattataac	gttgctcgaa	tactaactgg	tacctcttct	tttttttttg	60
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atatacctgca g

<210> 108

<211> 527

<212> DNA

<213> Artificial Sequence

<220>

<223> Chicken beta actin promoter sequences

<400> 108

```
ccatggctga cgtagcccc acgttctgct tcactctccc catctcccc cctccccac 60
ccccaatttt gtatttatatt attttttaat tattttgtgc agcgatgggg gcgggggggg 120
ggggggggg cgcgccaggc ggggcggggc ggggcgaggg gcggggcggg gcgaggcgga 180
gaggtgcggc ggcagccaat cagagcgggc cgctccgaaa gttcctttta tcgagaggcg 240
gcggcgggcg cgccctata aaaagcgaag cgcgcgggcg ccgggagtcg ctgcgacgct 300
gccttcgccc cgtgccaacc tccgcctcga gcttacctga actaattttt tagaatatta 360
aaatcctaag cttttatact cctatccctc tatcttttgc tctctatcca atttttatta 420
acttagactt taaaaagaaa cttatgagaa aaatttcgc ggaacattat tataacgttg 480
ctcgaatact aactggtacc tcttcttttt tttttgatat cctgcag 527
```

<210> 109

<211> 169

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence not included in construct

<400> 109

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cgccgcctcg cgccgcccgc cccggctctg actgaccgcg ttactccac aggtgagcgg 60
gcgggacggc ccttctcctc cgggctgtaa ttagcgcttg gtttaatcac ggcttggttc 120
ttttctgtgg ctgcgtgaaa gccttgaggg gctccgggag gaattcgta 169
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<210> 110

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> F8 PTM sequences

<400> 110

```
ggagtcgctg cgacgctgcc ttcgccccgt gccaacctcc gc
```

42

<210> 111

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> F8 PTM sequences

<400> 111

ctcgagcacc gatatcgtaa ct

22

<210> 112

<211> 53

<212> DNA

<213> Artificial Sequence

<220>

<223> Exon 26, Flag tag, stop sequences of mouse factor
VIII PTM

<400> 112

gaggcccagc agcaatacga ctacaaggac gacgatgaca agtgagttaa aac

53

<210> 113

<211> 71

<212> DNA

<213> Artificial Sequence

<220>

<223> Spacer sequences of human or canine factor VIII
PTM

<400> 113

ccgcggaaca ttattataac gttgctcgaa tactaactgg tacctcttct tttttttttg
atatcctgca g

60

71